## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applic	ation of Donald D. Reitz	)
Serial No.		)
Filed:	Concurrently Herewith	)
For:	Gas Recovery Apparatus, Method and Cycle having a Three Chamber Evacuation Phase and Two Liquid Extraction Phases for Improved Natural Gas Production	, , , ,

## **INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The Examiner may wish to consider the following references during the examination of the above-identified application:

Patent Number	Publication Date	Country
1,853,296	April 12, 1932	United States
2,016,433	Oct. 8, 1935	United States
2,142,773	Jan. 3, 1939	United States
2,698,581	Jan. 4, 1955	United States
3,090,316	May 21, 1963	United States
3,884,299	May 20, 1975	United States
3,894,583	July 15, 1975	United States
3,941,510	March 2, 1976	United States
3,991,825	Nov. 16, 1976	<b>United States</b>

Patent Number	Publication Date	Country
4,502,843	March 5, 1985	United States
4,509,599	April 9, 1985	United States
4,527,633	July 9, 1985	United States
4,653,989	March 31, 1987	United States
4,708,595	Nov. 24, 1987	<b>United States</b>
4,711,306	Dec. 8, 1987	<b>United States</b>
4,741,673	May 3, 1988	<b>United States</b>
4,768,595	Sept. 6, 1988	United States
4,844,156	July 4, 1989	United States
4,923,372	May 8, 1990	United States
5,006,046	April 9, 1991	<b>United States</b>
5,069,285	Dec. 3, 1991	<b>United States</b>
5,211,242	May 18, 1993	United States
5,374,163	Dec. 20, 1994	<b>United States</b>
5,407,010	April 18, 1995	<b>United States</b>
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5,431,222	July 11, 1995	<b>United States</b>
5,488,993	Feb. 6, 1996	United States
5,522,463	June 4, 1996	United States
5,544,706	Aug. 13, 1996	United States
5,611,397	March 18, 1997	United States
5,611,671	March 18, 1997	United States
5,655,605	Aug. 12, 1997	<b>United States</b>
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## Other Documents

Kermit Brown, *The Technology of Artificial Life Methods*, Vol 2, pp. 125-131, 1977.

E.E. DeMoss, 4 New Ways to Reduce Artificial Lift Expense, World Oil, pp. 63 and 64, May 1973

H.W. Winkler et al., *Down-Hole Chambers Increase Gas-Lift Efficiency*, The Petroleum Engineer, part 1 - June 1956; part 2 - Aug. 1956

H.W. Winkler et al., *Chamber Design*, CAMCO Gas Lift Manual, Chapter VII, pp. 7-001 - 7-015, 1962

John T. Dewan, et al., *Lifting of Heavy Oil with Inert-Gas-Operated Chamber Pumps*, SPE 9913, pp. 277-285 plus illustrations.

Steve B. Coleman et al., A New Look at Predicting Gas-Well Load-Up, JPT, March, 1991

Steve B. Coleman et al., *Understanding Gas-Well, Load-Up Behavior*, JPT, March, 1991

E.E. DeMoss et al., Liquid Removal from Gas Wells – Gas Lifting with Reservoir Gas, April 1968

Attached is a completed Form PTO-1449 for the Examiner's convenience in citing these references. Copies of the above identified references are also enclosed. Signed at Greenwood Village, Colorado this 3rd day of November, 2003.

Respectfully submitted,

John R. LEY / Registration No. 27,453

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(R v. 2-82)

FORM PTO-1449 U.S. DEPART. OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY. DOCKET NO. 224.303

SERIAL NO.

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT** 

**APPLICANT** Donald D. R itz

(Use several sheets if necessary)

FILING DATE

GROUP

**Concurrently Herewith** 

## LLS PATENT DOCUMENTS

EXAM. INIT.		DO	CUMI	E <b>NT</b> 1	NUM	BER		DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
	1	8	5	3	2	6	9	04/12/32	Harris			
	2	0	1	6	4	3	3	10/08/35	Humason			
	2	1	4	2	7	7	3	01/03/39	Athey			
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			John T. Dewan, et al., Lifting of Heavy Oil with Inert-Gas-Operated Chamber Pumps, SPE 9913, pp. 277-285 plus											
			illustrations.  Steve B. Coleman et al., <i>A New Look at Predicting Gas-Well Load-Up</i> , JPT, March, 1991											
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